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ORIGINAL

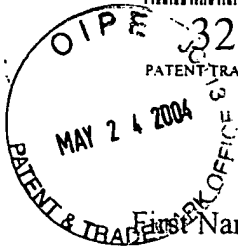
**COPY**

Patent  
Case No.: 56506US002



32692

PATENT-TRADEMARK OFFICE



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

FEB 12 2003

First Named Inventor: BRENNAN, JAMES F. III

Application No.: 09/809393

Group Art Unit: 2882

Filed: March 15, 2001

Examiner: Michael H. Caley

NESTOR F. HO

Title: WIDE-BANDWIDTH CHIRPED FIBER BRAGG GRATINGS  
WITH LOW DELAY RIPPLE AMPLITUDE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, DC 20231

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on:

January 30, 2003

Date

Signed by: Tom Sanders

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. A copy of each cited reference is also enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

This Information Disclosure Statement is being mailed after receipt of a first Office Action on the merits, but prior to the mailing of a Notice of Allowance under 37 CFR § 1.311. Please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p) to Deposit Account No. 13-3723, and if necessary, please charge any additional fees, or credit any overpayment to Deposit Account No. 13-3723. One copy of this sheet marked duplicate is also enclosed.

Respectfully submitted,

Date

By:

Nestor F. Ho, Reg. No. 39,460  
Telephone No.: 512-984-7443

Office of Intellectual Property Counsel  
3M Innovative Properties Company  
Facsimile No.: 651-736-3833

**POSTED**

DUE DATE(S) \_\_\_\_\_

ATTORNEY  
DOCKETED

NFH  
me

FEB 06 2003

Substitute for form 1449A/PTO (modified)

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets if necessary)

Page 1 of 1

# COPY

Application Number

56506US002

Filing Date

March 15, 2001

First Named Inventor

Brennan, James F. III

Art Unit

2882

Examiner Name

Michael H. Caley

Attorney Case Number

56506US002

## U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)			
	A1	US-			
	A2	US-			
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			

## Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
	B1						
	B2						
	B3						
	B4						

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	FECED, R., and ZERVAS, M.N., "Effects of Random Phase and Amplitude Errors in Optical Fiber Bragg Gratings", <i>Journal of Lightwave Technology Letters</i> , Vol.18, No.1, January 2000; pp. 90-101
	C2	NIEMI, T., et al, "Measurements of Dense Group Delay Ripple Using the Phase Shift Method: Effect of Modulation Frequency", <i>Conference: Proceedings of Symposium on Optical Fiber Measurements, Sponsor: NIST, IEEE Lasers &amp; Electro-Opt. Soc, Opt.Soc.America</i> , 26-28 Sept. 2000; Boulder, CO; pp. 165-167
	C3	NIEMI, T., et al, "Limitations of Phase-Shift Method in Measuring Dense Group Delay Ripple of Fiber Bragg Gratings", <i>IEEE Photonics Technology Letters</i> , Vol.13, No.12, December 2001; pp.1334-1336
	C4	
	C5	
	C6	

\*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

COPY

First Named Inventor: BRENNAN, JAMES F. III

Case No.: 56506US002

Application No.: 09/809393

Title: WIDE-BANDWIDTH CHIRPED FIBER BRAGG  
GRATINGS WITH LOW DELAY RIPPLE AMPLITUDE

**Enclosures:**

Information Disclosure Statement, Form PTO-1449, and  
cited references.

Amount charged to Deposit Account: \$180.00

Attorney (initials): NFH/NFH/ttc

Date: January 30, 2003

act

First Named Inventor: BRENNAN, JAMES F. III

Case No.: 56506US002

Application No.: 09/809393

Title: WIDE-BANDWIDTH CHIRPED FIBER BRAGG  
GRATINGS WITH LOW DELAY RIPPLE AMPLITUDE

**Enclosures:**

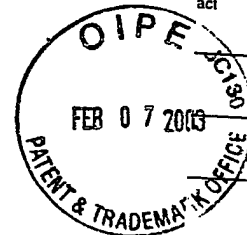
Information Disclosure Statement, Form PTO-1449, and  
cited references.

Amount charged to Deposit Account: \$180.00

Attorney (initials): NFH/NFH/ttc

Date: January 30, 2003

act



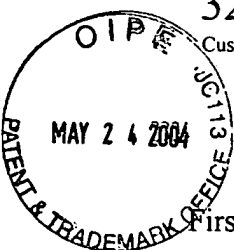
C of C

Patent

Case No.: 56506US002

32692

Customer Number



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: BRENNAN, JAMES F. III  
Patent No.: 6577792 Group Art Unit: 2882  
Dated: June 10, 2003 Examiner: Michael H. Caley  
Title: WIDE-BANDWIDTH CHIRPED FIBER BRAGG GRATINGS  
WITH LOW DELAY RIPPLE AMPLITUDE

**REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR § 1.322**

Attn: Certificate of Correction  
Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:	
5/20/04	
Date	Signed by: Gregg H. Rosenblatt
Certificate	

MAY 27 2004

Dear Sir:

of Correction

It is respectfully requested that a Certificate of Correction be issued in connection with the above-identified patent. The required text is submitted on the attached form.

Because the listed errors first occurred in the printed patent, and are not due to Applicant's mistake, no fee is required in connection with this Certificate of Correction.

Enclosed are copies of the Information Disclosure Statement (IDS) dated January 30, 2003, the accompanying PTO Form 1449, and the return postcard acknowledging receipt of the documents by the USPTO on February 7, 2003. This paperwork substantiates that the references listed on the attached Certificate of Correction were received by the USPTO and thus should have been considered by the Examiner. Applicant again requested consideration on April 24, 2003 of the references (courtesy copies also provided therewith) cited in the January 30, 2003 IDS. Accordingly, the error of omitting the references on the printed patent is attributed solely to the USPTO. The Applicant again requests that the 1449 Form be signed and dated by the Examiner as previously requested on January 30, 2003 and April 24, 2003, and that the Certificate of Correction be issued.

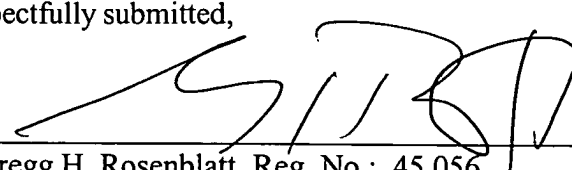
28 MAY 2004

Respectfully submitted,

5/20/04

Date

By:

  
Gregg H. Rosenblatt, Reg. No.: 45,056

Telephone No.: (512) 984-7443

Office of Intellectual Property Counsel  
3M Innovative Properties Company  
Facsimile No.: 651-736-3833

28 MAY 2004

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

Page 1 of 2

PATENT NO.: 6577792  
DATED: June 10, 2003  
FIRST NAMED INVENTOR: BRENNAN, JAMES F. III

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page,

Item (75) Inventors, delete "James F. Brennen, III" and insert -- James F. Brennan, III -- therefor.

Title Page,

Item (75) Inventors, delete "Gerad A. Beauchesne" and insert -- Gerald A. Beauchesne -- therefor.

Title Page,

Item (56) References Cited, under Other Publications, please add the following references that were considered by the examiner but do not appear on the printed patent:

R.Feced and M.N.Zervas, "*Effects of Random Phase and Amplitude Errors in Optical Fiber Bragg Gratings*", Journal of Lightwave Technology Letters, Vol. 18, No. 1, January 2000, pp. 90-101.

T.Niemi et al, "*Measurements of Dense Group Delay Ripple Using the Phase Shift Method: Effect of Modulation Frequency*", Conference: Proceedings of Symposium on Optical Fiber Measurements, Sponsor: NIST, IEEE Lasers & Electro-Opt.Soc., Opt.Soc.America, 26-28 Sept. 2000; Boulder, CO; pp. 165-167.

T.Niemi et al, "*Limitations of Phase-Shift Method in Measuring Dense Group Delay Ripple of Fiber Bragg Gratings*", IEEE Photonics Technology Letters, Vol. 13, No. 12, December 2001; pp. 1334-1336

MAILING ADDRESS OF SENDER:

**OFFICE OF INTELLECTUAL PROPERTY COUNSEL  
3M INNOVATIVE PROPERTIES COMPANY  
3M CENTER - P.O. BOX 33427  
SAINT PAUL, MINNESOTA 55133-3427**

PATENT NO. 6577792

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28 MAY 2004

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

Page 2 of 2

PATENT NO.: 6577792  
DATED: June 10, 2003  
FIRST NAMED INVENTOR: BRENNAN, JAMES F. III

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1,  
Line 13, delete "Modem" and insert -- Modern -- therefor.

Column 7,  
Line 11, delete "~0.5 g m<sup>2</sup>" and insert -- ~0.5 g cm<sup>2</sup> -- therefor.

MAILING ADDRESS OF SENDER:

**OFFICE OF INTELLECTUAL PROPERTY COUNSEL  
3M INNOVATIVE PROPERTIES COMPANY  
3M CENTER - P.O. BOX 33427  
SAINT PAUL, MINNESOTA 55133-3427**

PATENT NO. 6577792

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**28 MAY 2004**